***CLASSROOM COPY – DO NOT WRITE ON THIS!***

CW#43H: Isosceles Triangles

Honors Geometry

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| **CRS** | **Geometry Content/PPF601 -** Apply properties of 30-60-90, 45-45-90, similar, and congruent triangles |
| **Objective** | 8.19 Identify and define parts of isosceles triangles (B4.7)  8.20 Use and be able to prove base angle theorem (& converse to base angles theorem) (B4.7)  8.21 Use properties of isosceles triangles to find missing angle measures |

**Directions:** Copy & solve problems in notebook:

|  |  |
| --- | --- |
| 1) | 2) |
| 3) | 4) |

|  |  |
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| 1) **GIVEN**:  bisects    **PROVE:** Δ*ADC* is isosceles. | 2) **GIVEN:** ,  **PROVE:** |
| 3) **GIVEN:** ,  **PROVE:** | |